



OIPE

RAW SEQUENCE LISTING

DATE: 07/16/2002

PATENT APPLICATION: US/09/903,396A

TIME: 16:16:19

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\07162002\I903396A.raw

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4 <110> APPLICANT: Allen, Keith D.
6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
7   GLUCOCORTICOID-INDUCED RECEPTOR GENE DISRUPTIONS
10 <130> FILE REFERENCE: R-359
12 <140> CURRENT APPLICATION NUMBER: US 09/903,396A
C--> 13 <141> CURRENT FILING DATE: 2002-06-25
15 <150> PRIOR APPLICATION NUMBER: US 60/217,179
16 <151> PRIOR FILING DATE: 2000-07-10
18 <150> PRIOR APPLICATION NUMBER: US 60/252,299
19 <151> PRIOR FILING DATE: 2000-11-20
21 <150> PRIOR APPLICATION NUMBER: US 60/262,205
22 <151> PRIOR FILING DATE: 2001-01-16
24 <160> NUMBER OF SEQ ID NOS: 4
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1973
30 <212> TYPE: DNA
31 <213> ORGANISM: Mus musculus
33 <400> SEQUENCE: 1
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35 accgcagggtc gtcactgagc atcccagcat ggaggcagcc ctgaccgggc ccaacgcctc 120
36 ctgcgacttc tgggccaact acactttctc tgactggcag aacttcgtgg gcaggagacg 180
37 ttatggggcc gagtcccaga accccacggt gaaagcactg ctcatcgtgg cctactcatt 240
38 caccatcgtc ttctcgctct tcggtaaatgt cctgggtctgt catgtcatct tcaagaacca 300
39 gcgcattgcac tcggccacca gccctttcat tgtcaacctg gcagtggcgg acatcatgat 360
40 cacattgtc aacacgcctt tcacttttgt ccgctttgtg aacagcacat ggggtgtttg 420
41 gaagggcattg tgtcatgtca gtcgctttgc tcagtactgt tctctacatg tctcagcact 480
42 gactctgaca gctatcgagc tggaccgcca ccaggtcac atgcatccac tgaagcctcg 540
43 gatctccatc accaagggtg tcatatatat tgctgtcatc tgggtcatgg ctaccttctt 600
44 ctctctgcca catgccatct gccagaaact gtttaccttc aagtacagtg aggacattgt 660
45 gcgctccctc tgectgcggg acttcccggg gccagctgac ctcttctgga agtatctgga 720
46 cctggccacc ttcatcctgc tctacctact tccactcttc attatctcag tggcctatgc 780
47 tcgtgtggcc aagaagctgt ggctctgtaa caccattggc gacgtgacca cagagcagta 840
48 cctcgccctg cgacgcaaga agaagaccac cgtgaagatg ctggtgcttg tggtagtoct 900
49 ctttgccctc tgctgggtcc ctctcaactg ctatgtctc ctcttgctca gcaaggccat 960
50 ccacaccaac aatgccctct actttgcctt ccactgggtt gccatgagca gtacttgta 1020
51 taaccccttc atctactgct ggctcaatga gaactttagg gttgagctta aggcattgct 1080
52 gagcatgtgc caaaggccac ccaagccgca ggaagacagg ctaccctccc cagttccttc 1140
53 cttcagggtg gcatggacag agaagagcca tggtcggagg gctccactac ctaatcacca 1200
54 cttgccctct tcccagatcc agtctgggaa gacagatctg toatctgtgg aaccggttg 1260
55 ggccatgagt tagggaagc tggaaagttg tgggggaggg ttctttctc tcacaattga 1320
56 ccagacacta acagagttgg aaagtaacag agaagcagtg agatgcttg gttcctagga 1380
57 acctgtccag ccccatctga tttgcaact ttctagaaga tgccatgagg tgggtgtgtg 1440

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58 agatctttga gcaagagctc tggaaaccac ctcagcttca acagaggctg gtccagtcaa 1500
59 ccacctccaa ttgtgtagca tctgccacct tgcccttcct actgctgagc aaccacaggg 1560
60 ggacttgagc catactattg gtgggcctgc cccacatgct cagaaaagaa caggcacaaa 1620
61 ggctttctga agtcattgga acaggaataa tcacacagct tcagtgaacct tggctctatc 1680
62 catgaccaga caggacccat tttggcttct taaaaacaaa gagaaattag tattgccact 1740
63 ttgaaaagtt cagaaaagta aagaaatgag ttcagccctc aatttgtaaa aaaaggaaaa 1800
64 aagaaaaaaa aaagaaaaag aaagaaaaaa gcctgttaat atgctgtaaa tttatctgta 1860
65 gctttgcctt ctgtgtgtgt acatttgtag ttttaaaatc ctgaactaca cgtgtccatg 1920
66 tagattgtaa taattagcaa gaaactggaa tatatcagag tattattgaa ttc 1973
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69 <211> LENGTH: 423
70 <212> TYPE: PRT
71 <213> ORGANISM: Mus musculus
73 <400> SEQUENCE: 2
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76 Ala Thr Glu Gln Pro Gln Val Val Thr Glu His Pro Ser Met Glu Ala
77 20 25 30
78 Ala Leu Thr Gly Pro Asn Ala Ser Ser His Phe Trp Ala Asn Tyr Thr
79 35 40 45
80 Phe Ser Asp Trp Gln Asn Phe Val Gly Arg Arg Arg Tyr Gly Ala Glu
81 50 55 60
82 Ser Gln Asn Pro Thr Val Lys Ala Leu Leu Ile Val Ala Tyr Ser Phe
83 65 70 75 80
84 Thr Ile Val Phe Ser Leu Phe Gly Asn Val Leu Val Cys His Val Ile
85 85 90 95
86 Phe Lys Asn Gln Arg Met His Ser Ala Thr Ser Leu Phe Ile Val Asn
87 100 105 110
88 Leu Ala Val Ala Asp Ile Met Ile Thr Leu Leu Asn Thr Pro Phe Thr
89 115 120 125
90 Leu Val Arg Phe Val Asn Ser Thr Trp Val Phe Gly Lys Gly Met Cys
91 130 135 140
92 His Val Ser Arg Phe Ala Gln Tyr Cys Ser Leu His Val Ser Ala Leu
93 145 150 155 160
94 Thr Leu Thr Ala Ile Ala Val Asp Arg His Gln Val Ile Met His Pro
95 165 170 175
96 Leu Lys Pro Arg Ile Ser Ile Thr Lys Gly Val Ile Tyr Ile Ala Val
97 180 185 190
98 Ile Trp Val Met Ala Thr Phe Phe Ser Leu Pro His Ala Ile Cys Gln
99 195 200 205
100 Lys Leu Phe Thr Phe Lys Tyr Ser Glu Asp Ile Val Arg Ser Leu Cys
101 210 215 220
102 Leu Pro Asp Phe Pro Glu Pro Ala Asp Leu Phe Trp Lys Tyr Leu Asp
103 225 230 235 240
104 Leu Ala Thr Phe Ile Leu Leu Tyr Leu Leu Pro Leu Phe Ile Ile Ser
105 245 250 255
106 Val Ala Tyr Ala Arg Val Ala Lys Lys Leu Trp Leu Cys Asn Thr Ile
107 260 265 270
108 Gly Asp Val Thr Thr Glu Gln Tyr Leu Ala Leu Arg Arg Lys Lys Lys

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TIME: 16:16:20

Input Set : A:\PTO.DC.txt

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109          275          280          285
110 Thr Thr Val Lys Met Leu Val Leu Val Val Val Leu Phe Ala Leu Cys
111          290          295          300
112 Trp Phe Pro Leu Asn Cys Tyr Val Leu Leu Leu Ser Ser Lys Ala Ile
113 305          310          315          320
114 His Thr Asn Asn Ala Leu Tyr Phe Ala Phe His Trp Phe Ala Met Ser
115          325          330          335
116 Ser Thr Cys Tyr Asn Pro Phe Ile Tyr Cys Trp Leu Asn Glu Asn Phe
117          340          345          350
118 Arg Val Glu Leu Lys Ala Leu Leu Ser Met Cys Gln Arg Pro Pro Lys
119          355          360          365
120 Pro Gln Glu Asp Arg Leu Pro Ser Pro Val Pro Ser Phe Arg Val Ala
121          370          375          380
122 Trp Thr Glu Lys Ser His Gly Arg Arg Ala Pro Leu Pro Asn His His
123 385          390          395          400
124 Leu Pro Ser Ser Gln Ile Gln Ser Gly Lys Thr Asp Leu Ser Ser Val
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127          420
130 <210> SEQ ID NO: 3
131 <211> LENGTH: 200
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Targeting Vector
138 <400> SEQUENCE: 3
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140 ccctggctcc ctctgtggtg tggactctc tagcccggtg cgctcagccc ctgcaccca 120
141 gcctccaggc acagagcccg gcaggagct cagcccttgt gcctagagct gcagtggctg 180
142 gacatgaagg tttctcctgt                200
144 <210> SEQ ID NO: 4
145 <211> LENGTH: 200
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Targeting Vector
152 <400> SEQUENCE: 4
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154 gcagcatgct cccatctccg tctatgcctg gctggctggt gggaatactg ccaccacggt 120
155 ctgtagggaa tactctcagg acagtgactc attcagtccc gctgacagcg tgtgtgcttg 180
156 cctccttggt gatcaatttg                200

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VERIFICATION SUMMARY

DATE: 07/16/2002

PATENT APPLICATION: US/09/903,396A

TIME: 16:16:21

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\07162002\I903396A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date



Comply
Diskette Needed
OIPE

RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/09/903,396A

TIME: 14:50:20

Input Set : A:\SEQLIST 359 for submission.txt

Output Set: N:\CRF3\07102002\I903396A.raw

4 <110> APPLICANT: Allen, Keith D.
 6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
 7 GLUCOCORTICOID-INDUCED RECEPTOR GENE DISRUPTIONS
 10 <130> FILE REFERENCE: R-359
 12 <140> CURRENT APPLICATION NUMBER: US 09/903,396A
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 22 <151> PRIOR FILING DATE: 2001-01-16
 24 <160> NUMBER OF SEQ ID NOS: 4
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

144 <210> SEQ ID NO: 4
 145 <211> LENGTH: 200
 146 <212> TYPE: DNA
 147 <213> ORGANISM: Artificial Sequence
 149 <220> FEATURE:
 150 <223> OTHER INFORMATION: Targeting Vector
 152 <400> SEQUENCE: 4
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 154 gcagcatgct cccatctccg tctatgcctg gctggctggt gggaaactg ccaccacggt 120
 155 ctgtagggaa tactctcagg acagtgactc attcagtcctc gctgacagcg tgtgtgcttg 180
 156 gctccttggt gatcaatttg 200
 E--> 157 (1) - delete

VERIFICATION SUMMARY

DATE: 07/10/2002

PATENT APPLICATION: US/09/903,396A

TIME: 14:50:21

Input Set : A:\SEQLIST 359 for submission.txt

Output Set: N:\CRF3\07102002\I903396A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:157 M:254 E: No. of Bases conflict, this line has no nucleotides.

CRF Errors Corrected by the STIC System Branch

0520
0708
7/16/02
CIR

Serial Number: 09/903,396,7

CRF Processing Date: 7/16/02
 Edited by: DE
 Verified by: DE (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;
☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

***Examiner:** The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.